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Global Agricultural Information Network

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Hygienic Standard for Oilseeds

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Report Highlights:

This is an unofficial translation of “GB 19641- 2005 Hygienic Standard for Oilseeds”. The Standard was implemented on October 1st, 2005. The Standard is helpful for determining China’s zero tolerance for treated planting seed.

Executive Summary:

This is an unofficial translation of “GB 19641-2005 Hygienic Standard for Oilseeds”. The Standard was issued on January 25th, 2005 and implemented on October 1st, 2005 with the interim period for 1 year. Products before Oct. 1st 2005 and in compliance with the requirements of corresponding standards were permitted to continue on the market until Sept 30th 2006. The Standard describes the hygienic indices, testing methods, and hygienic requirements in packaging, labeling, storage and transportation of oilseeds that are used for producing edible oils.

Section 4.2 of the Standard stipulates that there should be less or equal to 1 piece of toxic plant seed in a kilogram of soybeans. The Standard also states that goods must not mix with toxic and harmful goods. However, the Standard does not list what toxic plant seed or toxic goods include. If China categories treated seeds as toxic, according to the plain language of the Standard, 1 piece treated seed per kilogram soybean is allowed. Section 4.3 of the Standard also stipulates that pesticide residue in oilseeds should be implemented according to GB 2763- Maximum Residue Limits for Pesticide. The maximum resident limits for metalaxyl is 0.05 mg/kg. The MRL standard does not state limits for other pesticides treated seeds contain.

In the event of any errors or omissions in this translation, the original Chinese version shall prevail. Traders should be advised that final import approval of any product is subject to the importing country’s rules and regulations as interpreted by border officials at the time of product entry.

General Information:

Begin translation

Hygienic Standard for Oilseeds

GB National Standard of the People’s Republic of China

GB19641—2005

Hygienic standard for oil seeds

Issued on Jan.25th,2005

Implemented on Oct.1st,2005

Issued by Ministry of Health of the People’s Republic of China and Standardization Administration of the People’s Republic of China

Preface

All contents of this standard are mandatory.

This standard is compiled on the basis of CAC CODEX STAN 171-1989(Rev.1-1995)(Certain Pulses), CODEX STAN 200-1995(Peanuts) and relevant standards at home and abroad:

--The indices for seeds of datura and other toxic plant are developed with reference to CAC CODEX STAN 171-1989(Rev.1-1995);

--Ergot indices have referenced relevant standards of Canada.

This standard is implemented on Oct. 1st, 2005 with the interim period for 1 year. Products before Oct. 1st, 2005 and in compliance with the requirements of corresponding standards are permitted to continue on the markets into Sep.30th, 2006.

This standard is proposed and administered by Ministry of Health of the People's Republic of China. The drafting agencies of this standard are: Health Supervision Institute of Shanghai Health Bureau, Center of Health Supervision of the Ministry of Health, Centers for Disease Prevention and Control of Shanghai, Jilin, and Guangxi, Research Institute of Sciences of State Grain Administration, Exit-entry Inspection and Quarantine Bureaus of Shanghai, Guangdong, Tianjin, and Ningbo, COFCO, Quality Inspection Center for Grains and Their Products of the Ministry of Agriculture (Harbin), China Chamber of Commerce for I/E Foodstuffs, Native Produce and Animal By-Products, Quality Inspection Center for Oilseeds of the Ministry of Agriculture.

The main drafting persons of this standard: Xu Xin, Zheng Yunyan, Liu Jiancheng, Hao Xicheng, Guo Liping, Cui Lu, Cai Xiucheng

Hygienic Standard for oil seeds

1. Scope

This standard stipulates the hygienic indices, testing methods, and the hygienic requirements in packaging, labeling, storage and transportation of oilseeds that are used for producing edible oils. This standard applies to plant oilseeds from which edible oils are made.

2. Referenced Standards

The clauses in the following documents have been quoted and become provisions of this standard. For those quoted documents with dates, their modifications (not including corrections on printing errors) and revised versions do not apply to this standard. However, parties having reached the agreement based on this standard are encouraged to study whether the latest versions of the cited documents are applicable. For quoted documents without dates, their latest versions apply to this standard.

GB2763 Maximum levels of pesticide residues in foods
 GB/T 5009.11 Determination of gross arsenic and inorganic arsenic in foods
 GB/T 5009.12 Determination of lead in foods
 GB/T 5009.22 Determination of aflatoxin B1 in foods
 GB/T 5009.36 Analytical methods for hygienic standard of grain
 GB/T 5494 Inspection of grain and oil plants, testing method of impurity and not full seeds

3. Terminologies and Definitions

The following terminologies and definitions are adopted by this standard.

3.1 Moldy kern

Kerns with obvious molds that hurt embryo and endosperm (or cotyledon), having no value of consumption

4. Index Requirements

4.1 Sensory requirements

The sensory requirements of oilseeds shall comply with the stipulations of table 1.

Table 1 Sensory requirements

Item		Index
Moldy kern: %	≤	1.0
Soybeans	≤	2.0
Others		

4.2 Index for toxic and harmful fungus and plant seeds

Index for toxic and harmful fungus and plant seeds shall comply with the stipulations of table 2.

Table 2 Index for toxic and harmful fungus and plant seeds

Item		Index
Seeds of datura and other toxic plants:pieces/kg		
Soybeans, canola	≤	1
Ergot :%		
Canola	≤	0.05
Others		Must not be detected

4.3 Physical and chemical index

Physical and chemical index of oilseeds shall comply with the stipulations of table 3.

Table 3 Physical and chemical index

Item	Index
Lead (Pb), mg/Kg	≤ 0.2

Inorganic arsenic (As), mg/kg	≤	0.2
Aflatoxin B ₁ , µg/kg		
Shelled peanut, corn	≤	20
Others	≤	5
Pesticide residue		Implemented according to GB2763

5. Packaging and Labeling

5.1 The packaging materials should comply with food hygiene requirements and relevant regulations.

5.2 The labeling of transgenic oilseeds should comply with the provisions of government regulations.

6. Storage and transportation

6.1 Stored in clean, dry, rain-proof, moisture-proof storages, and must not mix with toxic, harmful goods or goods of peculiar smell.

6.2 The transportation facilities should be clean, dry, and equipped with anti-contamination measures, and must not be transported in the company of toxic, harmful substances.

7. Testing Methodologies

7.1 Sensory requirements

7.1.1 Moldy kern

Determined in accordance with provisions of GB/T 5494.

7.1.2 Ergot, Datura seeds

Determined in accordance with provisions of GB/T 5009.36.

7.2 Physical and chemical index

7.2.1 Lead

Determined in accordance with provisions of GB/T 5009.12.

7.2.2 Inorganic arsenic

Determined in accordance with provisions of GB/T 5009.11.

7.2.3 Aflatoxin B₁

Determined in accordance with provisions of GB/T 5009.22.

End of Translation